

**From:** [Turner, Philip](#)  
**To:** [Coltrain, Katrina](#); [McMillan, Teresa](#); [Barry Forsythe](#)  
**Cc:** [Todd Downham](#); [cradu@eaest.com](mailto:cradu@eaest.com); [lvega\\_eaest.com](mailto:lvega_eaest.com)  
**Subject:** Re: Wilcox TO # 128 RI Approach  
**Date:** Thursday, March 24, 2016 11:10:28 AM

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Yes, I think that will be fine. Why did we decide to skip 2'-4'?

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**From:** Coltrain, Katrina  
**Sent:** Thursday, March 24, 2016 11:07 AM  
**To:** McMillan, Teresa; Turner, Philip; Barry Forsythe  
**Cc:** Todd Downham; [cradu@eaest.com](mailto:cradu@eaest.com); [lvega\\_eaest.com](mailto:lvega_eaest.com)  
**Subject:** RE: Wilcox TO # 128 RI Approach

Phil, can we use the 6-24 interval for HH? It will be a homogenized sample collected from the entire length.

[Katrina Higgins-Coltrain](#)  
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**From:** McMillan, Teresa [<mailto:tmcmillan@eaest.com>]  
**Sent:** Thursday, March 24, 2016 10:47 AM  
**To:** Turner, Philip <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>; Barry Forsythe <[barry\\_forsythe@fws.gov](mailto:barry_forsythe@fws.gov)>; Coltrain, Katrina <[coltrain.katrina@epa.gov](mailto:coltrain.katrina@epa.gov)>  
**Cc:** Todd Downham <[todd.downham@deq.ok.gov](mailto:todd.downham@deq.ok.gov)>; [cradu@eaest.com](mailto:cradu@eaest.com); [lvega\\_eaest.com](mailto:lvega_eaest.com) <[lvega@eaest.com](mailto:lvega@eaest.com)>  
**Subject:** RE: Wilcox TO # 128 RI Approach

To clarify the sample depth intervals – Do you want:

0-6"  
6"-12"  
12"-24"  
4'-5'  
And TD

Or

0-6"  
6"-24"  
4'-5'  
And TD

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**From:** Turner, Philip [<mailto:Turner.Philip@epa.gov>]  
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**Cc:** Todd Downham <[todd.downham@deq.ok.gov](mailto:todd.downham@deq.ok.gov)>; McMillan, Teresa <[tmcmillan@eaest.com](mailto:tmcmillan@eaest.com)>;  
Radu, Cristina <[cradu@eaest.com](mailto:cradu@eaest.com)>; Vega, Luis <[lvega@eaest.com](mailto:lvega@eaest.com)>  
**Subject:** Re: Wilcox TO # 128 RI Approach

On #s 1, 3 & 4, I agree with Barry.

#2: You're right, we do not really expect to see them, but Like PCBs, I think a small percentage of samples should look for dioxins/furans to eliminate them as a risk factor. The process area probably did have some combustion activities which can generate dioxins/furans. I think 5%, like the PCBs, would be ok.

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**From:** Barry Forsythe <[barry\\_forsythe@fws.gov](mailto:barry_forsythe@fws.gov)>  
**Sent:** Thursday, March 24, 2016 5:36 AM  
**To:** Coltrain, Katrina  
**Cc:** Turner, Philip; Todd Downham; Teri Mcmillan ([tmcmillan@eaest.com](mailto:tmcmillan@eaest.com)); [cradu@eaest.com](mailto:cradu@eaest.com);  
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**Subject:** Re: Wilcox TO # 128 RI Approach

- 1). I would rather that surface horizon be 0-6".
- 2). I don't believe dioxin/furans will drive risk even if they were present. I'm ok with eliminating them. However you may need some data to speak to potential human exposure. That is a "Phil-call."
- 3). Sounds good.
- 4). See #1.

Sent from my iPhone

On Mar 22, 2016, at 11:26 AM, Coltrain, Katrina <[coltrain.katrina@epa.gov](mailto:coltrain.katrina@epa.gov)> wrote:

Phil/Todd/Barry, we need some input on a few things in order to move forward with the sampling designs. Please see the questions below. Thanks

Teri/Christina, please correct any errors or add additional information.

Phil/Barry-----

1. Soil Horizons for Risk Assessment
  - a. The proposal is 0-1', 1-2', and 4-5' and if refusal is deeper than 5', take a sample at the bottom of the core. The samples collected from each foot will be homogenized. The sample jar will be filled from the homogenized soil—prior to each scoop the soil will be homogenized, separated into quarters, aliquots taken from each quarter, then homogenized again, separated into quarters with aliquots taken from each quarter—so on until the jar is full.
  - b. Can this be used to evaluate risk? Do you see a problem with this approach?
2. Dioxans/Furans
  - a. These contaminants are not associated with the type of facility or waste at this site. These will not be analyzed. Do you see this as a problem?
3. Pesticides/PCBs
  - a. These contaminants are not associated with the type of facility or waste at this site. We did not find these in the residential soil samples collected, nor did they find PCBs in any of the prior site inspection/investigation sampling. We think that these at least need to be included as part of the process area sampling and suggest that they be sampled at 5%. Do you see this as a problem?
4. Background
  - a. Samples collected from 0-1 foot. The soil will be homogenized and sampled as presented under #1.

Todd-----

1. Residential Wells
  - a. Do you have the data in a spreadsheet that can be shared?
  - b. Do you have any information on the well logs/GPS/construction etc?
2. Church Well
  - a. Do you have any information on the well logs/construction etc? I think we asked already and did not receive anything.
3. Tank Farm Wells

- a. There is one well at the northeast corner dug for residential use. Any information on it?
- b. There is one well in the south central area that we think may have been a facility well but is clogged. Is this correct? Any other information?

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**To:** Teri Mcmillan ([tmcmillan@eaest.com](mailto:tmcmillan@eaest.com)) <[tmcmillan@eaest.com](mailto:tmcmillan@eaest.com)>; Christina Radu ([cradu@eaest.com](mailto:cradu@eaest.com)) <[cradu@eaest.com](mailto:cradu@eaest.com)>; Luis Vega ([lvega@eaest.com](mailto:lvega@eaest.com)) <[lvega@eaest.com](mailto:lvega@eaest.com)>  
**Cc:** Todd Downham <[todd.downham@deq.ok.gov](mailto:todd.downham@deq.ok.gov)>; Turner, Philip <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>; 'Barry Forsythe' <[barry\\_forsythe@fws.gov](mailto:barry_forsythe@fws.gov)>  
**Subject:** RE: Wilcox TO # 128 RI Approach

Teri, please find attached my comments on the sampling approach. Additional comments from the others may be forthcoming.

thanks

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**From:** Coltrain, Katrina  
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**To:** Todd Downham <[todd.downham@deq.ok.gov](mailto:todd.downham@deq.ok.gov)>; Turner, Philip <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>; 'Barry Forsythe' <[barry\\_forsythe@fws.gov](mailto:barry_forsythe@fws.gov)>  
**Subject:** FW: Wilcox TO # 128 RI Approach

Team, please find the suggested approach for moving forward. Send any comments. Once we have agreement, they will work to finalize the SAP and then we can send it out to the larger group to digest.

thanks

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**Subject:** Wilcox TO # 128 RI Approach

Katrina,

Please find the attached RI phased approach for review. If we can get consensus on the approach to the RI then we can start refining the elements and complete the SAP.

If you have any questions please let me know.

Thanks,

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